The limited warranty stated herein is subject to all of the following terms and conditions.

TERMS AND CONDITIONS

1. NOTIFICATION OF CLAIMS: WARRANTY SERVICE: If Purchaser believes that the product is defective in material or workmanship, then written notice with an explanation of the claim shall be given promptly by Purchaser to the Manufacturer but all claims for warranty service must be made within the warranty period. No repair or replacement of any product or part thereof shall extend the warranty period as to the entire product. The specific warranty on the repaired part only shall be in effect for a period of ninety (90) days following the repair or replacement of that part or the remaining period of the product parts warranty, whichever is greater.

2. EXCLUSIVE REMEDY: ACCEPTANCE: Purchaser's exclusive remedy and the Manufacture's sole obligation is to supply all labor necessary to repair any product found to be defective within the warranty period. Purchaser's failure to make a claim as provided in paragraph 1 above or continued use of the product shall constitute an unqualified acceptance of such product and a waiver by Purchaser of all claims thereto.

3. EXCEPTIONS TO LIMITED WARRANTY: The Manufacturer shall have no liability or obligation to Purchaser with respect to any product requiring service during the warranty period which is subjected to any of the following: abuse, improper use, negligence, accident, modification, failure of the end-user to follow the operating procedures outlined in the user's manual, failure of the end-user to follow the maintenance procedures in the service manual for the product, attempted repair by non-qualified personnel, operation of the product outside of the published environmental and electrical parameters, or if security seal has been defaced, altered, or removed. The Manufacturer also excludes from warranty coverage products located outside the United States, and consumable items such as fuses and batteries. Items not manufactured by Backgrounds Unlimited, Inc but included in system bought by Purchaser are limited to original manufacturer's warranty and will be repaired by Backgrounds Unlimited, Inc. on cost of material basis.

4. PROOF OF PURCHASE: The purchaser's dated invoice must be retained as evidence of the date of purchase and to establish warranty eligibility.

DISCLAIMER OF WARRANTY

EXCEPT FOR THE FOREGOING WARRANTIES, THE MANUFACTURER HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY AND/OR ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND/OR ANY WARRANTY WITH REGARD TO ANY CLAIM OF INFRINGEMENT THAT MAY BE PROVIDED IN SECTION 2-312(3) OF THE UNIFORM COMMERCIAL CODE AND/OR ANY OTHER COMPARABLE STATE STATUE. THE MANUFACTURER HEREBY DISCLAIMS ANY REPRESENTATIONS OR WARRANTY THAT THE PRODUCT IS COMPATIBLE WITH ANY COMBINATION OF NON-MANUFACTURER'S PRODUCTS PURCHASER MAY CHOOSE TO CONNECT TO THE PRODUCT.

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William Stump & Associates, Ltd.

Guardian 2000
PIR and Vibration Sensor
User's Manual

G2K PIR and Vibration Sensor

"See what you've been missing!!"

INTRODUCTION

Congratulations, and thank you for purchasing the *Guardian 2000 PIR and Vibration Sensor*. This sensor automatically integrates with your existing Guardian 2000 video system and is manufactured using stringent standards from customer input. Features include:

- Weatherproof housings
- Dual Infrared pyroelectric sensor
- "AA" battery operation
- Indoor and outdoor operation
- Up to 100 ft range depending on sensitivity setting and ambient temperature

As you read through this manual, please keep in mind your system has been rigorously inspected for utmost quality assurance prior to shipment.

About the PIR Sensor

The PIR Sensor incorporates a pyroelectric sensor and a radio frequency transmitter to activate your Guardian 2000. The result is an extremely reliable sensor designed to significantly reduce "false" activations. Being able to bury the transmitter housing makes this an almost truly invisible sensor. The flexible head also makes it extremely easy to deploy under almost any condition.

Testing the Sensors

- Testing the sensor during deployment is crucial for success.
- Once the initial setup has been made, test the sensor before leaving the target area.
- Conduct several walk-through tests in the target area to determine proper sensor placement.

Deployment

PIR Sensor

- When using the PIR sensor to monitor a trail, best results are achieved when placing the head about waist level.
- The PIR sensor should be solidly mounted to avoid excessive movement. Therefore, it is equipped with a small black clamp on the head to assist attaching to a solid object. Other devices such as wire ties, zip-ties, hook and loop type fasteners and even natural vines can be used.
- The PIR sensor has two sensing elements arranged to cancel out false alarms from vibration, temperature changes and sunlight.
- The sensor also has an added filter window which is most sensitive to human body radiation, detecting movement up to 100 ft. depending on sensitivity settings.
- With the long range 1 1/4" diameter fresnel head field of view is approximately 10 degrees.
-

Vibration Sensor

- When using the vibration sensor to monitor a dump site, best results are achieved when attaching the head to a stick and placing it in the dump pile.
- If monitoring a gate, the sensor can be mounted to a post. When the gate is opened or tampered with the motion will send a signal to begin recording.
- While monitoring a road, attach a high strength fishing line (50lb braided wire recommended). Secure the fishing line at high tension 1" above ground. Any object passing the line will activate recording.

5. Now you are ready to test it with the Guardian 2000. Place your Guardian 2000 into PGM mode. Test the PIR sensor again and the Guardian 2000 will activate and begin recording.

Figure 3

Vibration Sensor

1. Obtain the hand-held control module provided with your Guardian 2000 and turn it on with the alarm feature activated. Maintain a close distance in order to hear the audible alarm.
2. The vibration head contains two magnets that can be used to attach to a metal surface. The head can also be secured with the two mounting screw holes.
3. Connect the four pin head to the housing. The sensor will be ready for immediate use.
4. Conduct a test of the vibration sensor by walking near the head. The vibration sensor will transmit an alarm signal to the handheld control module.
5. Now you are ready to test it with the Guardian 2000. Place your Guardian 2000 into PGM mode. Test the PIR sensor again and the Guardian 2000 will activate and begin recording.

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General

The PIR Sensor uses infrared radiation detection for operation. When an object such as a person, animal, or vehicle passes in front of the sensing head, a transmitter sends a signal to the Guardian 2000 record unit for activation. The PIR sensor comes standard with a long range head containing a fresnel lens which allows for the maximum detection range, up to 100 ft depending on sensitivity settings (See Figure 1). The weatherproof housing and flexible head enable quick and effortless installations.

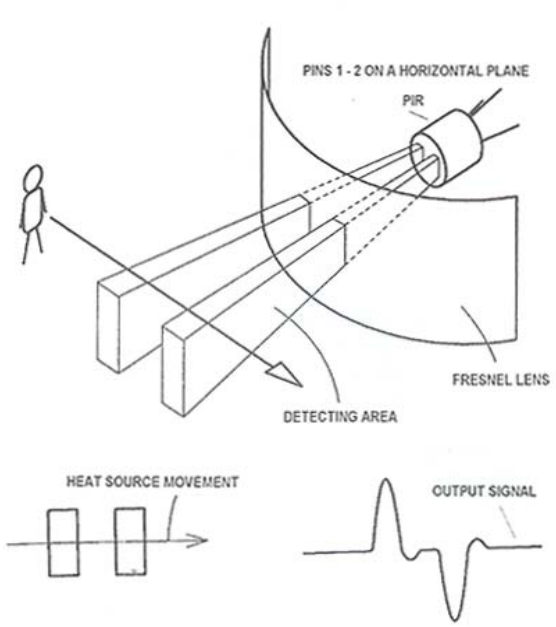

Figure 1

Pre-Operation

PIR and Vibration Sensor

1. Connect the antenna to the top of the housing.
2. Remove (4) screws from the lid of the transmitter housing.
3. Set the sensitivity by turning the knob. The far left allows for the least sensitive while the far right is a maximum setting. *(Only PIR Sensor, See Figure 2)*
4. Insert (4) "AA" alkaline batteries into the transmitter's battery holder. To turn power off, simply remove the batteries from the battery holder.

Sensitivity Adjustment
Left = Least Sensitive
Right = Most Sensitive

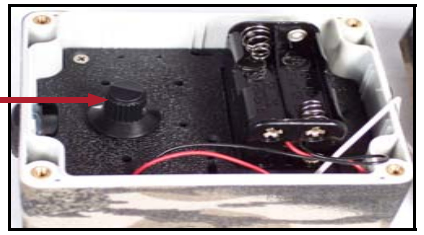

Figure 2

Setup

PIR Sensor

1. Obtain the hand-held control module provided with your Guardian 2000 and turn it on with the alarm feature activated. Maintain a close distance in order to hear the audible alarm.
2. Secure the PIR head to a solid surface pointing towards your activation area. To detect horizontal movement, ensure that the back of the head has the cut outs on the left and right sides, with the slots straight up and down (See Figure 3).
3. Connect the four pin head to the housing. The sensor will stabilize after 1 minute.
4. Conduct a test of the PIR by walking or by placing your hand in front of the lens. The PIR sensor will transmit an alarm signal to the handheld control module.